LABDEX

Standard Freeze Dryer LX1810SFD

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Description

Standard Freeze Dryer LX1810SFD is a table top unit with a condensing capacity of 3 kg-4 kg / 24 h and a temperature of -50°C. Equipped with four trays with a bulk capacity of 1.8 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function. It has Color LCD touch screen displays running time, display sample temperature, condenser temperature, vacuum degree, and save data automatically.

Specifications

Condenser temperature	-50°C
Condenser capacity	3 to 4 kg / 24 h
Freeze drying area	0.18 Sq.m
Bulk capacity	1.8 L
Vial capacity	Φ 12 mm: 820 pieces Φ 16 mm: 460 pieces Φ 22 mm: 244 pieces
Cooling	Air cooling
Ambient temperature	≤25°C
Defrosting	Off cycle defrosting
Trays	6 layers
Tray dimension	Φ 200 mm
Tray spacing	50 mm
Vacuum pump flow rate	7.2m3 / h; 2L/S

Power	970 W
Voltage	220 V / 50 Hz, 120 V / 60 Hz
Dimensions	565 x 420 × (370 + 430) mm
Weight	70 kgs

Features

- Condenser temperature -50°C
- Color LCD touch screen display, display of sample temperature, vacuum curve degree, cold trap temperature curve
- Acrylic drying Chamber is safe and easy to view sample status
- High pumping speed vacuum pump
- Pre-freezing function
- Anti-corrosive stainless steel air inlet valve
- USB port to output freeze drying data

Applications

- It is use for preserving a wide variety of heat-sensitive materials such as proteins, microbes, pharmaceuticals, tissues & plasma.

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